

Notice of Allowability

Application No.

09/745,996

Examiner

Jason M. Perilla

Applicant(s)

GOTO, SHOJI

Art Unit

2638

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed June 17, 2005.
2. ☒ The allowed claim(s) is/are claims 1-3, 5-11, and 13-16 renumbered respectively as claims 1-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20050902.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

1. Claims 1-3, 5-11, and 13-16 are pending in the instant application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas E. Brown on September 14, 2005.

The application has been amended as follows:

Regarding claim 3, in line 3, the word "predetermined" is stricken.

Regarding claim 6, in line 3, the word "predetermined" is stricken.

Regarding claim 7, in lines 28-30, "between samples held in the storage circuits of a first one of said second predetermined number of groups" is replaced by –between a first part of samples held in the storage circuits of a respective one of said second predetermined number of groups--, and, in lines 32-34, "between samples held in the storage circuits of a second one of said second predetermined number of groups" is replaced by –between a second part of samples held in the storage circuits of the respective one of said second predetermined number of groups--.

Regarding claim 8, in line 4, the word "predetermined" is stricken.

Regarding claim 11, in line 4, the word "predetermined" is stricken.

Regarding claim 14, in line 4, the word "predetermined" is stricken.

Regarding claim 15, in lines 34-36, "between samples held in the storage circuits of a first one of said second predetermined number of groups" is replaced by –between a first part of samples held in the storage circuits of a respective one of said second predetermined number of groups--, and, in lines 38-40, "between samples held in the storage circuits of a second one of said second predetermined number of groups" is replaced by –between a second part of samples held in the storage circuits of the respective one of said second predetermined number of groups--.

Regarding claim 16, in line 4, the word "predetermined" is stricken.

Claims 1-3, 5-11, and 13-16 are renumbered as claims 1-14, and the claim dependency is renumbered accordingly.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 1-3, 5-11, and 13-16 renumbered as claims 1-14 are allowed because the prior art of record does not disclose or obviate the claimed subject matter. The prior art references of power saving digital matched filters do not execute the same power saving technique of the instant application. In particular, the references of the prior art do not disclose the division of a shift register into more than one sequence of registers wherein the register groups preceding the first register group are only activated if the first register group meets a predetermined correlation threshold indicating a good possibility of a match. Although other power saving techniques are utilized by the prior art, they do not disclose the same invention as disclosed in the instant application.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

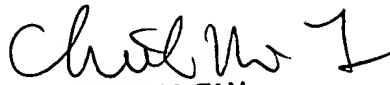
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason M. Perilla whose telephone number is (571) 272-3055. The examiner can normally be reached on M-F 8-5 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Vanderpuye can be reached on (571) 272-3078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Jason M. Perilla
September 6, 2005

jmp


CHIEH M. FAN
PRIMARY EXAMINER